

Determination of the Melting Point of Graphitic
Carbon, by E. Ryschkewitsch, 15 pp.
GERMAN, per, Z Elektrochem, Vol 32, 1926, pp 42-47.
AEC/SC-T-71-3015

Mar 71

The Theory of the Electrolytic Deposition
of Chromium From Aqueous Solutions of
Chromic Acid, by E. Muller.

GERMAN, per, Z. Elektrochem, Vol XXXII,
No 8, 1926, pp 399-413.

TPA3/TIB T 4413

Sci - ~~Electrochemistry~~, Chemistry

30,076

Vapor Pressure Measurements of Copper, Gold,
Alumina, Silica, Silicon, and Silicon Carbide.
Their Formation and Decomposition, by O. Ruff,
M. Korschak, 5 pp.

GERMAN, per, Z Elektrochem, Vol XXXII, p 515.

SLA 2336.

Sci - Minerals/Metals
Oct 57

54, 059

Cathodic Imposition of Mercury, J.A. Abbey
Investigation of Electrolytic Nickel, by G. L.
Clark, F. H. Frohen, 6 pp.

GERMAN, J.A. Electrochemistry, Vol. XXXI, 1925
pp 655-658.

ABC 3283

Sci - Phys

K-H 5412

Doc 58

77, 94 2

Dilution Works and Dilution Heats in the
Region of Concentrated Solutions, by R.
Fricke, L. Havestadt, 44pp.
GERMAN, per, Zeitschrift für Elektrochemie,
Vol 33, No 10, 1927, pp 441-455.
CFSTI TT-64-18837.

322,350

Sci - Chemistry
Mar 67

Electrotransport and Diffusion in Some
Crystals, by A. Smekal, 12 pp.
GERMAN, per, Z. Elektrochem, vol 34, 1928
pp. 472-483.
*NBS TT 70-57871

Sci. phys
Jun 70

On the Theory of the Combustion Process, by
H. Semmoff, 14 pp.

GERMAN, per, Zeitschrift fuer Elektrochemie,
Feb 1928, pp 571-582. 9686776

DOC-181C-27

Sci - Chem, Electron
Sep 63

343,309

Corrosion and Residual Current, by F. Todt,
21 pp.

GERMAN, per, Z. fuer Elektrochemie, Vol XXXIV,
1928, pp 586-595, 853-857.

CIA/FDD/Z-197

Scientific - Chemistry 30,873

The Light Reaction Between Ferric Chloride and
Oxalic Acid, by G. Kornfeld, 6 pp.

GERMAN, see, Zeitschrift fur Elektrochemie, Vol
XXXIV, 1928, pp 598-601.

CIA./FDD/Z-93

Scientific - Chemistry
Apr 54 CTS/DEX

12,393

The Effect of X-rays on Chloroform and Similar
Bonds, by P. Günther, et al, 22 pp.

GERMAN, per Zts. für Elektrochemie, Vol XXXIV,
1928, pp 616-625.

S.L.A. Tr No 226/1955

Sci - Chemistry
Jan 1957 CTS/dex

44, 902

Frankenburger, W., Andrussow, L., and Duerr, F.
A NEW COMPLEX COMPOUNDS OF LITHIUM, IRON,
AND NITROGEN: A CONTRIBUTION TO THE PROBLEM
OF NITROGEN LINKAGE TO IRON. [1961] 22p
35 refs

Order from SLA \$2.60

TT-61-16527

Trans. of Zeitschrift für Elektrochemie (Germany)
1928, v. 34 [no. 9] p. 632-637.

DESCRIPTORS: *Complex compounds, *Lithium compounds,
*Iron compounds, *Nitrides, Synthesis (Chemistry),
Molecular structure, Chemical bonds

(Chemistry--Inorganic, TT, v. 11, no. 3)

TT-61-16527

I. Frankenburger, W.
II. Andrussow, L.
III. Duerr, F.
IV. Title: Contribution...

Office of Technical Services

Becker, Karl.
CONSTITUTION OF TUNGSTEN CARBIDES (Die
Konstitution der Wolframcarbide). [1962] [8]p. (for-
eign text included) 6 refs.
Order from SLA \$1.10 62-16106

Trans. of Zeitschrift für Elektrochemie (Germany)
1928, v. 34, p. 640-642.

DESCRIPTORS: Tungsten compounds, Carbides,
Electrochemistry.

(Unannounced)

62-16106

I. Becker, K.

Office of Technical Services

Contribution to the Knowledge of Molten
Salts, by W. Herz, 7pp.
GERMAN, per, Zeitschrift fur Elektrochemie,
Vol 34, 1928, pp 682-684.
K-H-1143 d.

322,352

Sci - Chemistry
Mar 67

61-10413	
Müller, Erich and Takegami, S. ELECTROLYTIC OXIDATION OF FORMALDEHYDE IN ALKALINE SOLUTION. [1961] 15p. 9 refs. Order from SLA \$1.60 61-10413	I. Müller, E. II. Takegami, S.
Trans. of Zeitschrift für Elektrochemie (Germany) 1928, v. 34 [no. 10] p. 704-713.	
DESCRIPTORS: *Formaldehyde, *Oxidation, *Electrolysis, Electrochemistry, Hydroxides, Solutions.	
161591	
Office of Technical Services	
(Unannounced)	

The Iron-Water System, by G. Schikorr. ~~RECEIVED~~

CHUDMAN, per, Zeit fur Elektrochemie, Vol XXXV,
No 2, 1929, pp 63-65.

Navy Tr 1920/DEL 692

Sci - Chemistry, Electronics
Dec 58

78,025

On the Reactions Between Iron, Its Hydrides
and Water, by G. Schikorr. UNCLASSIFIED

GERMAN, Ger, Z. fuer Elektrochem, Vol XXIV, NO 2,
1929, pp 65-70.

Navy 1961/IRL 693

Sci - Chem
Jan 59

79,880

Detecting Protons in Metals, by A. Coehn, 13 pp.

GERMAN, per, Z. Elektrochem, Vol. XXXV, No 9, 1929.

SLA Tr 57-2129

Sci

Jul 58

68,000

The Absorptivity of Platinum Metals for Hydrogen,
by Erich Muller, Kurt Schwabe, 62 pp.

GERMAN, par, Z Elektrochem, Vol. XXXV, 1929,
pp 165-184.

AEC UCRL-Trans-641(L)

Sci - Min/Met
May 61

150,889

F. London-Berlin

Quantum-mechanical explanation of activation $1/2$ $\neq$
GERMAN, per, Zeitschrift fur elektrochemie, Vol 25,
No 9, 1929, pp 552-555

*NASA TT F 14,393

july 72

EXPLANATION OF ABNORMAL OSMOSIS AT NONSWELLING
Membranes. Part I, by K. Sollner,

GERMAN, part, Z. Elektrochem, Vol XXXVI, No 1, 1930,
pp 36-47.

ATB 449-GJ

Sci - Chem

Aug 60

123,351

Explanation of Abnormal Osmosis at Nonswelling
Membranes. Part 2. by K. Sollner,

GERMANY, par, Z. Elektrochem, Vol XXXVI, No 4, 1930,
pp 234-241.

ATS 450-GJ

Sci - Chem

Aug 60

123,352

The Significance of Surface Tension and Viscosity
in Chemistry, by L. Lorenz, 17 p.

GERMAN, per, Zeit fur Elektrochemie, 1930,
Vol XCIV, No 5, pp 336-346.

SLA 59-20415

Sci
Feb 60
Vol 2, No 12

108,250

The Iron-Hydrogen-Ammonia Equilibrium,
by E. Lehrer,
GERMAN, par. 2. Electrochem, Vol 36, No 6,
1930, pp 383,392.
BISI 8431

Sci/Mat
Sep 70

Oxidation of Sulphur Dioxide in Ultraviolet Light,
by G. Kornfeld.
GERMAN, per, Z. Elektrochem, Vol 36(9), 1930,
pp 789-794.
*AEC/LE/G-Tr-2931

Sci/Chem
Feb 70

400,191

On the Reactions Between the Atoms and
Molecules of Nitrogen and Hydrogen, by W.
Steiner, 19pp.
GERMAN, per, Zeitschrift fur Elektrochemie,
Vol 36, No 9, 1930, pp 807-814.
CFSTI TT-64-18841.

322,381

Sci - Chemistry
Mar 67

The Passivity of Chromium, SM., by Brian Miller.
Hart Schenke, 35 p.

GERMAN, per, Zeitschrift für Elektrochemie, 1931,
Vol XXVII, No 4, pp 185-197.

SLA 59-17626

Sci
Jan 60
Vol 2, No 8

105,584

A New Method for Determining the Refractive Index
of Solutions by the Interferometer Principle,
by W. Goffken, 11 p.

GERMAN, post, Zeit fur Elektrochem, 1931, Vol XXVII,
No 5, pp 233-237.

SIA 59-20848

Sci
Mar 60
Vol 3, No 1

110,880

Measurement of Electrotransport in Au
Cu Alloys, by O. Elsenhut, 8 pp.
GERMAN, per, Z. Elektrochem, vol 37,
1931, pp. 466-473.
*NBS TT 70-57868

Sci/mat
Jun 70

Diffusion in Metals, by G. V. Hovey.
GERMAN, per. Z. Elektrochem., 37, 1931.
pp 528-531.
*NES TT 70-57380

Sci-Mnt
Aug 70

Sprenger, Gerhard.
SPECTROGRAPHIC DETERMINATION OF THE
NITROGEN OXIDE OCCURRING INTERMEDIATELY
IN THE REACTION BETWEEN NITROGEN PENTOXIDE
AND OZONE. 17 Jan 62, 10p. 20 refs.
Order from SLA \$1.10

GG-13546

Trans. of Z[schrift für Elektrochemie] (Germany)
1931, v. 37, p. 674-678.

DESCRIPTORS: Spectrographic analysis, *Nitrogen
compounds, Oxides, Chemical reactions, *Ozone,
*Reaction kinetics, Photochemistry.

(Chemistry--Physical, TT, v. 10, no. 1)

GG-13546

1. Sprenger, G.

Office of Technical Services

63-16165

Thilemus, R.
THE ELECTROCHEMICAL BEHAVIOUR OF THE
ALKALI METALS, [1963] 7p.
Order from SLA \$1.10

63-16165

Trans. of Zeitschrift für Elektrochemie (Germany)
1931, v. 37, no. 8/9, p. 740-742.

DESCRIPTORS: *Alkali metals, *Electrochemistry,
Electrolysis, Fused materials, Chlorides, Sodium
compounds.

(Chemistry--Physical, TT, v. 10, no. 5)

1. Thilemus, R.

Office of Technical Services

On Glow Electrolysis, by A. Klemenc.
GERMAN, per, Zeit fur Elektrochemie,
Vol XXXVII, 1931, No 8/9, pp 742-745.
SLA TT 64-20510

May 67

327,21⁶

Oxides. VI. The Oxides of Manganese, by A. Simon,
F. Feher, 47 pp.

GERMAN, DOR, Z Elektrochem, Vol XXXVIII, 1932,
pp 137-148.

AEC/MP 148

Sci - Chem

Nov 58

76,464

The Explanation of Abnormal Osmosis at Non-swelling Membranes. Part 3, by K. Sollner, A. Grollman,

GERMAN, per, Z. Elektrochem, Vol XXXVIII, No 5, 1932, pp 274-282.

ATB 451-GJ

Sci - Chem

Aug 60

123,353

The Relationships of Magnetic Properties,
Especially the Coercive Force to the Structure
of the Alloys and the Development of New Types
of Magnet Alloys, by Werner Koster, 6 p.

GERMAN, per, Z fur Elektrochemie, 1932,
Vol XXXVIII, No 8 a, pp 549-553.

SLA 59-15816

Sci
Juni 63
Vol. 2, No 5

104,612

62-12970

Kubelka, Paul.

THE MELTING-POINT IN VERY NARROW CAPIL-
LARIES (Über den Schmelzpunkt in Sehr Engen Capil-
laren) tr. by D. A. Sinclair. 1962, 10p. 10 refs.
NRCC Technical trans. 1005.
Order from NRCC \$0.50 NRCC C-3928

Trans. of Zeitschrift Für Elektrochemie (Germany)
1932, v. 33, no. 8a, p. 611-614.

DESCRIPTORS: *Capillary tubes, Melting, Surface
tension, Solids, Liquids, Gases, Phase studies.

- I. Kubelka, P.
- II. NRCC TT-1005
- III. NRCC C-3928
- IV. National Research Council
of Canada

(Unannounced)

Office of Technical Services

Forming of Tantalum in Nonaqueous Solvents. A. Methyl-,
Ethyl-, Propyl-, Butyl-, Iso-Amyl-~~NOVA~~ Alcohol, by
Paul Schupp, 12 pp.

GERMAN, per, Z Elektrochem, No 38, 1932, pp 774-777.

7
S.L.A. Tr 1038/1956

39,249

Sci - Chemistry

On Diffusion in Metals, by G. Grube,
8 pp.
GERMAN, per, Z. Elektrochem, vol 38,
1932, pp. 799-807.
*NBS TT 70-57875

Sci/mat
June 70

62-16580

Tobler, Jakob.
STUDIES ON OXYHYDROGEN CIRCUITS. [1962] 43p.
(7 figs. 11 tables omitted) 64 refs.
Order from SLA \$4.60

62-16580

Trans. of Zeitschr[ift für] Elektrochem[ie] (Germany)
1933, v. 39, no. 3, p. 148-167.

DESCRIPTORS: Oxygen, Hydrogen, Circuits, Air,
Metals, Electrodes, Hydrogen electrodes, Coal

1. Tobler, J.

(Unannounced)

Office of Technical Services

61-20992

Baur, Emil.
ON THE AGITATION- AND GRAIN-ELECTRODE.
[1961] 36p. refs.
Order from SLA \$3.60
Trans. of Zeitschrift für Elektrochemie (Germany)
1933, v. 39, no. 3, p. 168-180.

I. Baur, E.

DESCRIPTORS: Electrodes, Electrochemistry

(Unannounced)

Office of Technical Services

Electrical Conductivity and Diffusion in Ag_2S ,
 Ag_2Se , Ag_2Te , and Binding Mechanisms of the
Elements, by C. Tubandt.
GERMAN, per, Z. Elektrochem., 39, 1933, pp 227-
244.

*NES TT 70-57357

Sci-Mat
Aug 70

Parallel Conductance of the Electrolyte in Resistance
Measurement of Hydrogen-Containing Palladium Wires,
by C. A. Knorr, E. Schwartz, 4 pp.

GERMAN, per, Z. phys. Elektrochemie, Vol XXXIX, No 5,
1933, pp 281-283.

ATS 451290

Sci - Chem
Jul 59
OTS I, 11

91,012

Concerning the Electrolytic Deposition of Metallic
Niobium and Its Separation From Tantalum, by
N. Ingarul'shev, A. F. Prede, 15 pp.

GERMAN, p. 2, Elektrochim, Vol XXXIX, 1933, pp
283-288.

AEC Tr 3635

Sci - Chem

May 59

87,957

The Adsorption of Sulphurous Acid on Platinum,
Iron Oxide and Chromium Oxide, Part I, by
B. Neumann. E. Goebel.

GERMAN, per, Zeit fur Elektrochemie, Vol XXXIX,
No 6, 1933, pp 352-362.

CHGB 2813

Sci - M/M
Oct 63

Material Transport in Solid Systems, by
G. V. Hevesy.
GERMAN, per. Z. Elektrochem. No 39, 1933, pp 490-
500.
*NBS TT 70-57536

Sci-Elec
Aug 70

Electrotransport and Diffusion in Some
Soft Metals, by C. Tubandt, 7pp.
GERMAN, per, Z. Electrochem, vol 39,
1933, pp. 500-506.
*Nat. Bur. Stand. TR 70-57877

Sci/mat
June 70

On the Electric Conductivity of Several Molten Salt
Mixtures, by Eugen Ryschkevitch. UNCLASSIFIED, 25pp

GERMAN, per, Zeitschr fur Elektrochemie, Vol XXXIX,
No 7b, 1933, pp 531-538.

Navy Tr 976/NRL 470
SLA-AL-626(1961)
ATT-63-20755

Scientific - Electronics

11,935

CTS/Dex

Electrical Conductivity and Self-Diffusion in
non-cubic Metals, by W. Smith.
GERMAN, per, Z. Elektrochem., 39, 1933,
pp 538-542.
*NBS TT 70-57358

Sci-Mat
Aug 70

3. Elektrosynthesen - Formation of Metal
Hydrides by Atomic Hydrogen, by Erich
Platzsch, 24 pp.
GERMAN, per, Ztschr. Elektrochem., Vol 39,
No 7b, 1933, pp 577-586. F911105567
AEC CHEM-TR-1576

324,311

Sci - Materials
Apr 67

Schwab, G. M. and Friess, H.
EXPERIMENTS WITH ATOMIC CHLORINE. [1961]
19p (figs refs omitted).
Order from SLA \$1.60 TT-61-16497

Trans. of Zeitschr[ift] f[ur] Elektrochemie (Germany)
1933, v. 37, no. 74, p. 586-594.

DESCRIPTORS: *Chlorine, *Free radicals, Production,
*Gas discharges, Chemical reactions

(Chemistry--Inorganic, TT, v. 11, no. 3)

TT-61-16497

I. Schwab, G. M.
II. Friess, H.

Office of Technical Services

Chroming Theory, by E. Liebreich.

GERMAN, per, Z. Elektrochem, Vol XXXIX, No 7B,
1933, pp 628, 629.

TPA3/TIB
T 4458

Scientific - Chemistry
CTS 75/Dec 55

29,336

The Adsorption of Sulphurous Acid on Platinum,
Iron Oxide and Chromium Oxide, Part II, by
B. Neumann. E. Goebel.
GERMAN, per, Z Elektrochem, Vol XXXIX, No 8, 1933,
pp 672-682.

CEGB 2814

Sci - Chem
Apr 64

255,143

Interdiffusion in Au-Ni, Au-Pd, and Au-Pt,
by A. Jedam.
GERMAN, par. Z. Elektrochem., 39, 1933,
pp 691-695.
*NBS TT 70-57362

Sci-Mat
Aug 70

Forming of Tantalum in Nonaqueous Solvents. B.
Formamide, Acetone, Methyl-Ethylketone, Pyridine,
Acetic Acid and Sulfuric Acid, by P. P. Schupp, 15 pp.

GERMAN, per, Z Elektrochem, Vol XXXIX, No 9, 1933,
pp 731-735.

B.L.A. Tr 938/1956

39,198

Sci - Chemistry

Method of Measuring Resistance in Technical
Electrolysis Baths, by Fritz Wehr, 7 pp.

GERMAN, per, Z fuer Elektrochem, Vol XXXIX, No 9,
1933, pp 756.

SLA Tr 850/1955

Sci - Chem

50,146

Jul 57

Concerning the Electrolytic Deposition of Metallic
Niobium. II, by N. Isgarulshov, G. E. Kaplan,
10 pp.

GERMAN, pt. 2 Electrochem, Vol. XL, 1934, pp 33-36.

AEC Tr 3625

Sci. - Chem

May 59

87,962

On Carbide Hydrolysis, by N. G. Schmahl 10 pp.
GERMANY, per, Z. Elektrochem. Vol 40, No 2, 1934,
pp 68-70.
NASA TT F 12,873

sci/chem
may 70

The Theory of Chromium Plating, by E.
Liebreich.

GERMAN, per, Z. Elektrochem, Vol XL, No 2,
1934, pp 73-87.

TPA3/TIB T 4459

Sci - ~~Electrochem~~; Minerals/Metals, Chemistry

30,072

The Liquid Surface in the System Aluminum,
Aluminum Oxide, and Aluminum Carbide, by
E. Baur, R. Brunner, 11 pp.

per,
GERMAN, Z. Elektrochem, Vol XL, 1934,
pp 154-158.

B.L.A. Tr 892

Baur - Germany

Sci - Minerals/Metals

Chemistry
29,440

Electrical Conductivity and Phase Equilibrium
Diagram in Binary Alloys, by G. Grube,
H.v. Zoppelin, ~~XXXXXX~~ H. Buma, 11 pp.

GERMAN, per, Z. Elektrochem, Vol XL, No 3,
1934, pp 160-164.

S.L.A.

Scientific - Chemistry
OTS 70/Jul 75

25,188

On Decomposition of Carbides Through Water or
Diluted Acids, by J. Schmidt.
GERMAN, per, Zeit fuer Elektrochemie, Vol 40,
No 4, 1934, pp 170-174.
*NASA TT F-12,874

Sci-Chem
Feb 70

Sublimed Iron, by W. Kroll, 5 p.

GERMAN, per, Zeit Elektrochemie, 1934, Vol XL,
No 6, pp 303-305.

SLA 59-20937

Sci
Mar 60
Vol 3, No 1

110,883

About Diffusion in Metals, by W. Seith.
GERMAN, per, Z. Elektrochem., 40, 1934,
pp 322-326.
*NBS TT 70-57367

Sci-Mat
Aug 70

On the Mobility of Au in Solid Pt, by W. Seith.
GERMAN, pt. 2, Elektrochem., 40, 1934,
pp 329-832.
*NBS TT 70-57366

Sci-Mat
Aug 70

On the Question of Electrolytic Deposition of Iron-
Nickel Alloys I., by F. Marschak, D. Stepanov, C.
Beljokov, 9 pp.

^{over}
GERMAN, par, Z. N. Elektrochemie, Vol XL, No 7,
Jul 1934, pp 341-344.

S.L.A. Tr 495/56

Sci - Minerals/Metals

36,979

Aug 1956

On the Electro-Metallurgy of Aluminium, by P.
Drossbach, 9 pp.

GUERMAN, per, Z. Elektrochem, Vol XL, 1934,
pp 605-608.

S.L.A. Tr 141
32,898

~~Wilm~~ - Germany

Scientific - Minerals/Metals, *electrochemistry*

Experiments for Finding a Substitute for
Platinum as Anodic Material in Electrolytic
Oxidation Process, Report II, by G. Angel,
H. Mallquist.

GREENMAN, per, Z. fuer Elektrochemie,
Vol XL, 1934, pp 702-707.

CHIRO

Sci - Electron
Aug 62

211, 499

Achumow, E. I. and Wassiliew, B. B.
ELECTROLYSIS OF SODIUM CHLORIDE IN FLUID
AMMONIA, REPT. 1. [1963] 10p (figs tables omitted)
16refs
Order from SLA \$1.10

63-20137

Trans. of Z[schrift für] Elektrochem[ie] (Germany)
1935, v. 41, no. 2, p. 96-101.

DESCRIPTORS: *Electrolysis, *Electrochemistry,
*Sodium compounds, *Chlorides, *Ammonia, Lique-
fied gases, Solubility, Vapor pressure, Electrical
conductance, Electric potential.

(Chemistry--Physical, TT, v. 10, no. 11)

63-20137

I. Achumow, E. I.
II. Wassiliew, B. B.

Office of Technical Services

Correction (to paper #2002), by W. Seith.
GERMAN, per. Z. Elektrochem., No 41, 1935, p 122.
*HBS TT 70-57409

Sci-Misc
Aug 70

Heat Content and Lattice Structure of Active
Magnesium Oxide, by H. Fricke, E. J. Luke,

GERMAN, per, Z fuer Elektrochemie, Vol XLI, No 3,
1935, pp 174-183.

ANC NP-Tr-292

Sci - Chem
9 Mar 61

141,592

SLA TI-64-10606

Electrolytic Transport of Carbon in Solid Steel,
by W. Seith.
GERMAN, per. Z. Elektrochem, No 41, 1935. pp 551-
558.
*NBS TT 70-57478

Sci-Inst
Aug 70

On the Question of Electrolytic Deposition of Iron-
Nickel Alloys II., by P. Marchuk, D. Stepanov, ~~and~~
L. Lavina, 4 pp.

^{over}
GERMAN, par, Z. A. Elektrokhimiya, Vol XII, No 8,
1935, pp 596-597.

S.L.A. Tr 496/56

Sci - ~~MINERALS~~ Minerals/Metals

36,980

Aug 1956

AEC/T OGC-68-28

R-9401-D
3 May 68

Zersetzungsdrucke Von Nitraten Und Sulfaten III

By: NEUMANN, B. & SONNTAG, August

From: Z. Elektrochem 41:611-15, 1935 Jan.

(5 pp)

German - est for wis:

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Diffusion Speed in Metal Crystals and Atom Size,
by W. Seith.
GERMAN, per, Z. Elektrochem., No 41, 1935, pp 872-875.
*NBS TT 70-57416

Sci-Hist
Aug 70

Metals and Alloys. XVIII. Lattice Structure of
LiAl, by H. Zintl, G. Woltersdorf, 9 pp.

GERMAN, per, Z Elektrochem, Vol XLI, 1935,
pp 876-879.

AEC Tr 3486

Sci - Min/Met
Feb 59

81,299

Electrical Conductivity and Phase Diagram
of Binary Alloys, XVII. The Lithium-Aluminum
System, by G. Grube, L. Mohr, W. Brunning, &
7 pp.

GERMAN, per, Z Elektrochem, Vol XLI, 1935, pp
880-883.

ABC 3482

Sci - Chem

Jan 59

79,567

Atmospheric Corrosion of Steel, by
G. Schikorr.
GERMAN, per, Zeits. Elektrochem., Vol 42,
No 3, 1936, pp 107-112.
BISI 6479

Sci/Mat
Dec 68

354,419

Electrotransport in Solid Au Cu Alloys, by
G. Nehlep.
GERMAN, per, Z. Elektrochem., Vol 42, 1936, pp 150-153.
*NTIS/NBS TT 71-55107
Available NBS Only

June 71

Grube, G. and Doetsch, E.
THE ACTION OF THE CADMIUM ELECTRODE IN
ALKALINE NICKEL-CADMIUM STORAGE BATTERIES.
[Das Verhalten der Cadmiumelektrode im Alkalischen
Nickel-Cadmium Akkumulator]. [1963] 30p. (figs. tables
omitted) 12 refs.
Order from SLA \$2.60 63-14424

Trans. of Zeitschrift für Elektrochemie (Germany)
1936, v. 42, no. 5, p. 247-258.

DESCRIPTORS: *Storage batteries, *Cadmium,
Electrodes, Nickel, *Alkaline cells, Electrochemistry.

(Engineering--Electrical, TT, v. 10, no. 5)

63-14424

I. Grube, G.
II. Doetsch, E.

Office of Technical Services

Determination of Fluorine Present in Very Small
Quantities by a Conductometric Method, by J. Karmes,
G. Jander, 13 pp.

GEISMAN, per, Z Elektrochem, Vol XLII, 1936,
pp 315-319.

AEC Tr 3647

Sci - Chem

Jun 59

89,783

Problems of Industrial Electrochemistry, by G.
Masin, 4 p.

GERMAN, partial trans, per., Zeit. für Elektrochemie,
1936, Vol XLII, No 6, pp 319-330.

SIA 59-20328

Sci
Mar 60
Vol 3, No 1

Weiner, Robert.
THE THEORY OF ELECTROLYTIC CHROMIUM
PLATING. [1961] 33p. (9 figs. 6 tables omitted)
19 refs.
Order from SLA \$3.60 60-18898

Trans. of Z[e]lts[c]h[r]i[t] f[ü]r Elektrochemie
(Germany) 1936, v. 42 [no. 7a] p. 377-397.

DESCRIPTORS: *Electroplating, *Chromium, Theory.

(Unannounced)

60-18898

I. Weiner, R.

Office of Technical Services

Researches on Determination of the Explosion
Limits of Chlorine-Hydrogen Mixtures, by
A. Weissweiler.

GERMAN, per, Zeit fur Elektrochemie Vol XLII,
1936, pp 499-503.

SLA TT 64-18908

Apr 67

323,085

On the Crystal Structure of Carbon, by Ulrich
Hofmann, Diederich Wils, by 37 pp.

GERMAN, per, Z. Elektrochem, Vol XLII, No
7B, 1936, pp 504-522.

A.E.R.E. Harwell
Tr 519

Sci - Chemistry, graphite

Apr 56

32,934

Reaction of Fe, Ni, and Co in Co-CO₂ Atmosphere, by
E. Doehlemann.
GERMAN, per, Z. Elektrochem., Vol 42, 1936, pp 561-569.
*NTIS/NBS TT 71-55106
Available NBS Only

June 71

61-10050

Weiner, R[obert].
THEORY OF CHROMIUM ELECTRO-PLATING. II
INTERPRETATION OF THE PHENOMENA OB-
SERVED WITH BASE METALS. [1961] 23p.
(3 figs. omitted) 1 ref.
Order from SLA \$2.60

61-10050

Trans. of Z[e]ts[chrift] f[ür] Elektrochemie
(Germany) 1936, v. 42 [no. 8A] p. 585-598.

DESCRIPTORS: *Chromium, *Electroplating,
Theory, Chromic acid, Reduction, Platinum,
Metals, Electrolytes, Chromium plating, Copper,
Electroplating solutions.

(Unannounced)

Office of Technical Services

The Physical Chemistry of the Modern Preparation
and Use of Graphite, by E. Ryschkewitsch, 1 p;

GERMAN, per, Z Elektrochem, Vol XLII, No 9,
1936, p 687.

SLA Tr 57-671

Sci - Physics; chemistry
Sep 57

52,914

The Preparation of Nitric Acid Esters by Electrochemical Methods, by V. Ohman, 22 pp.

GERMAN, per, Z. Elektrochem, Vol XLIII, pp 862- 872, 1936.

SIA 3210

Sci • Chem
Aug 58

71,615

Atmospheric Corrosion of Steel, by G. Schikorr.
GERMAN, per, Z. Elektrochem., Vol 46, No 3,
1936, pp 107-112.
*BISI 6479

Sci/Mat
June 68

Stackelberg, N. von, Quatram, P., and Dressel,
Jutta.
THE VOLATILITY OF BORIC ACIDS WITH STEAM,
THE SYSTEM B_2O_3 -WATER. [1963] 44p. 21 refs.
Order from SLA \$4.60 63-16257

Trans. of [Zeitschrift für Elektrochemie (Germany)]
1937, v. 43, no. 1, p. 14-28].
Another trans. is available from SLA as 58-1776, 40p.

DESCRIPTORS: *Boric acids, *Steam, Water, Oxides,
Boron compounds, Vapor pressure, Phase studies,
Thermodynamics.

(Chemistry--Physical, TT, v. 10, no. 7)

63-16257

I. Stackelberg, N. von
II. Quatram, P.
III. Dressel, J.

Office of Technical Services

The Passivity of Chromium, ^{Fr 32} by Erich Muller,
T. Gopr, 43 p.

GERMAN, per, Zeitschrift fur Elektrochemie,
1937, Vol XLIII, No 1, pp 42-52.

SLA 59-27627

Sci
Jan 60
Vol 2, No 8

105,585

Studies on Alkali Phosphates and Arsenates, II,
[1] Tertiary Sodium Phosphate, by H. Menzel,
E. Von Sahr, 26 p.

GERMAN, per, Zeit fur Elektrochem, 1937, Vol XLIII,
No 2, pp 104-119.

ATB-811327

Sci
Apr 60
Vol III, No 2

111, 678

The Polarographic Analysis of Brass: Fundamentals
of Rapid Analysis of a Series of Alloys Conducted
by Mercury Drop Cathodes, by Hans Hohn, 23 p.

GERMAN, pub, Zeitschrift Elektrochemie, 1937,
Vol XLVII, No 2, pp 127-139.

SLA 59-20416

Sci
Feb 60
Vol 2, No 12

108,249

The Use of Quantitative Spectroanalysis
on Al-Mg Alloys, by W. Seith, 9 pp.
GERMAN, per, Z. Elektrochem, vol 43,
1937, pp. 342-350.
*NBS TT 70-57869

Sci/Mat
Jun 70

On Metallic Carbonyl, by W. Hieber, 16 pp.

GERMAN, per, Z Elektrochem, Vol XLIII, Jun
1937, pp 390-397.

SLA Tr 57-868

Sci - Chemistry
Oct 57

54, 114

Savelsberg, W.
PHYSICAL CHEMISTRY IN METALLURGY. 1961]

.10p.

Order from SLA \$1.10

60-18980

Trans. of Z[eitschrift] f[ür] Elektrochemie (Germany)
1937 [v. 43, no. 7] p. 474-479.

DESCRIPTORS: Physical chemistry, Metallurgy,
Chemical equilibrium, Ores.

(Unannounced)

60-18980

L. Savelsberg, W.

Office of Technical Services

Klein, O. and Lange, E.
NORMAL VOLTAIC POTENTIALS $\Delta\psi_0$ OF THE
MOST IMPORTANT ELECTROCHEMICAL TWO-
PHASE SYSTEMS, ESPECIALLY OF THE ELEC-
TRODES: METAL/METAL SALT SOLUTION. [1961]
22p.
Order from ATS \$36.95 ATS-10N54G

Trans. of Z[eitschrift für] Elektrochem[ie] (Germany)
1937, v. 43, no. 8, p. 570-584.

DESCRIPTORS: *Electrochemistry, Phase studies,
Voltage, Electric potential, Electrodes, electrolytes,
Solutions.

0-14-5-5-5-5

(Unannounced)

61-25660

- I. Klein, O.
- II. Lange, E.
- III. ATS-10N54G
- IV. Associated Technical
Services, Inc., East
Orange, N. J.

ATS/978-6J

Office of Technical Services

Interferometric Observations Over Current Anomalies
at the Cathodes, by H. J. Antweiler, 3 pp.

GERMAN, per, Z Elektrochem, Vol XLIII, 1937,
pp 596, 597.

AEC Tr 3041

54, 278

Sci - Physical Chem
Oct 57

The Effect of Intense Sonic Waves on Metallic Melts,
Pt 1, 3., by G. Schmid, L. Ehret, A. Roll.,
UNCLASSIFIED

GERMAN, per, Z. Electrochem., Vol. XLIII, No 11,
pp 869-874, Vol XLVI, No 12, pp 653-657,
1937/1940.

TPA3/TIB
T # 4219

14,066

Scientific - Chemistry